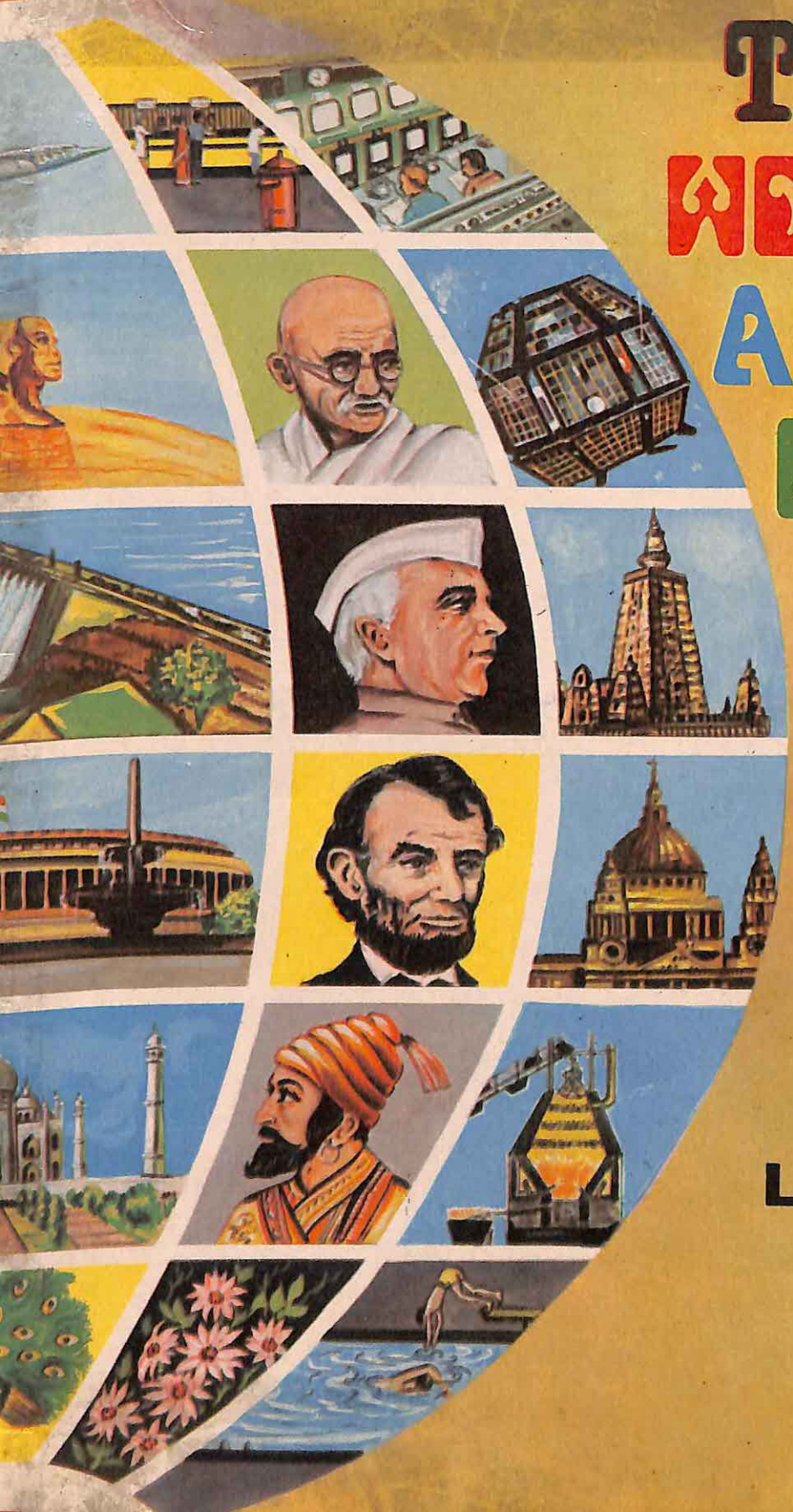


THE WORLD AROUND US

STEP BY STEP

LADDER
2

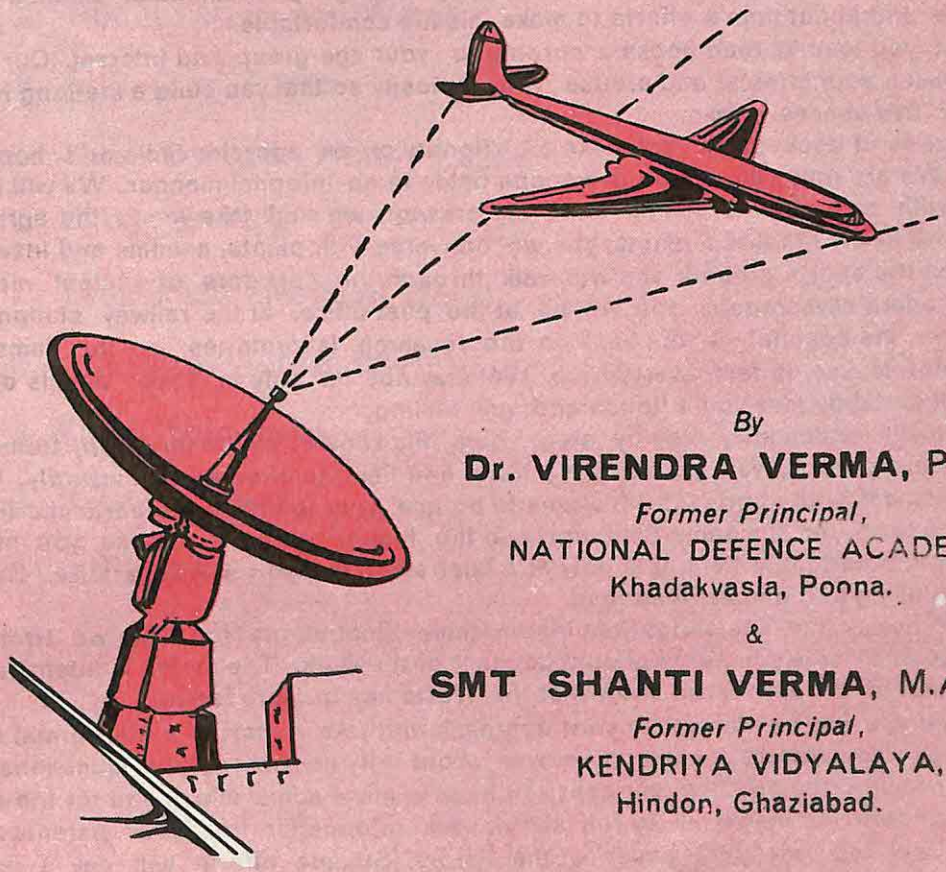
Ambar General Knowledge Series

THE WORLD AROUND US

STEP BY STEP

(WHO ? WHAT ? WHEN ? WHERE ? HOW ? WHY ?)

LADDER 2



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PREFACE

Dear Young Friends,

We place before you a series of books on "The World Around Us—Step by Step" The Sub Title of the series will interest you, for our aim is to help you to answer yourselves your usual questions— What ? When ? Where ? How ? and Why ?

There is so much to learn about ourselves—our past and our present, about plant and animal life, about things we do and use, about strange phenomena of science and its inventions and about man's efforts to make his life comfortable.

Most of you love to read books according to your age-group and interest. Our aim is to just awaken your interest and arouse your curiosity so that you build a life-long habit to keep your five senses awake.

This series of books does not make a dictionary or an encyclopaedia or a book of knowledge. We are only taking you to various fields in an informal manner. We will help you to walk with celebrities of the past and the present; we shall take you to the agricultural fields and to the industrial plants; you will converse with plants, animals and insects; you will be on the sports ground; you will walk through the corridors of ancient monuments and modern skyscrapers; you will be at the post office, at the railway station, at the airport, in the hospital, in the bank, in the research laboratories, on the dams, in the Parliament House, in fact everywhere. We may not be able to cover details of all fields but will certainly give you a 'touch and go' feeling.

The study is systematic, step by step, from the known to the unknown, from the particular to the general. We do not jump from one field to another haphazardly. Our approach is topical, with short introductions to arouse your interest in a particular field. We may come back to the same field again in the higher ladder to provide you more knowledge in that particular field. It is only at a later stage that you will have 'Mixed Bags' for quicker thinking and quicker response.

You will notice that the series has innumerable illustrations because we strongly believe that in such books pictures should do most of the work. The series is intended to be an exhibition of the wonderful show that the World has in store for you.

We hope you will be earnest in your approach and take it easy, in a non-formal and playful manner. You should be able to answer about fifty per cent of the questions on your own; for another twenty-five per cent you have to make some effort; and for the rest twenty-five per cent you may have to run about, seek information from your parents and teachers or look up reference books in the library. Sincere efforts will pay a good dividend. There will be no fun indeed, if you could straight-away answer all questions.

—Authors

Acc. no. - 15582

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STEP 1

ART OF HOUSE-KEEPING :

Do you know what problems your Mummy has to face in House-keeping ? She has to keep the cupboards and fridge full to satisfy your fancies at odd hours. All of a sudden you may demand a particular dish of yours. If you don't get it, how do you manage to win the battle ? (By weeping and crying aloud .....)

Find out the answers to the following questions :

1. Which brand of Cooking Oil does your Mummy use ? .....
2. Which Blade does your Daddy use for shaving ? .....
3. Which brand of Tea is used in your family ? .....
4. Which brand of Washing Soap/ Powder is used by your Mummy ? .....
5. What is the name of the kerosene stove used in your house ? .....
6. What are your Mummy's earrings made of ? .....

7. Which metal is generally used by ladies for their ornaments ? .....

8. Name two metals of which cooking utensils are generally made these days ? (i) ..... (ii) .....

9. Does your mummy buy wheat or flour ? .....

10. If you have got a pressure cooker at home, find out its size. .....

11. At what price are the following articles purchased normally ?

i. Milk per litre .....

ii. Dalda/any other cooking oil per kg .....

iii. Tea per lb .....

iv. A packet of blades .....

v. Chocolate 5-star .....

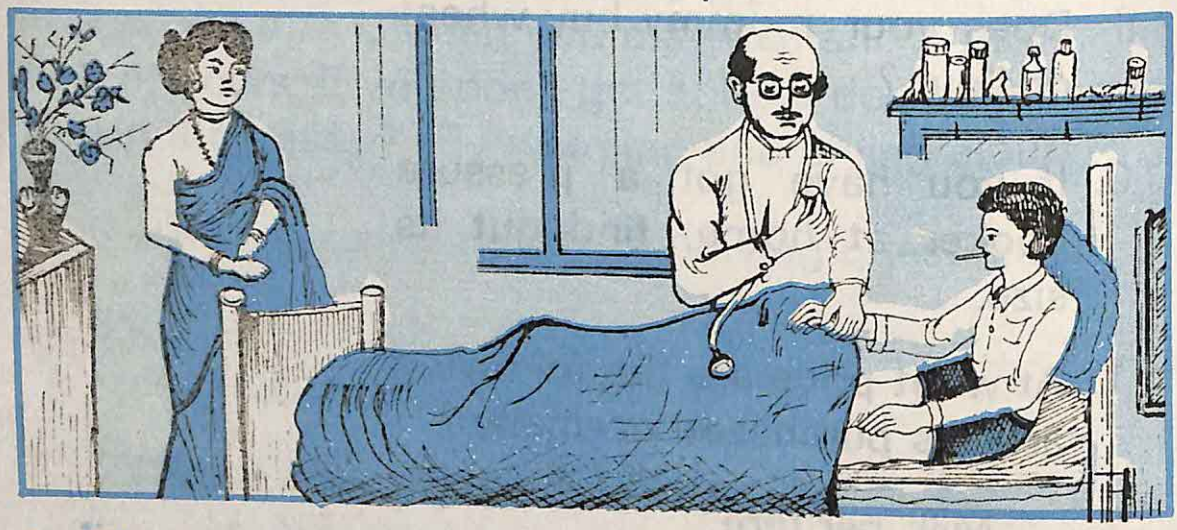
Assessment : /15

Teacher's Signature :

STEP 2

LIFE — A GREAT GIFT OF GOD : HEALTH — A GREATER GIFT :

We can be happy and cheerful, only if we have a healthy mind and a healthy body.



A. Three Important Organs of the Body :

i. Which organ of the body acts as a pump to circulate blood throughout the body ? .....

ii. Which organs of the body help us to breathe in fresh air and breathe out foul air ? .....

iii. Brain is the greatest gift of God to Mankind. Which bones of the body act as a box to protect the Brain ? .....

B. Enemies of our Health :

Certain insects are our greatest enemies. We must guard ourselves against their attack.

i. Which insect is responsible for spreading Malaria ? .....

ii. Which insect, with a three-lettered name, is our deadliest enemy ? .....

C. Need for First Aid :

Out of the following :

Burnol, Borolin, Aspro, Iodex, Vicks and Gargling with Salt water, what will your Mummy use ?

i. In case she is burnt while cooking ? .....

ii. In case your servant cuts his finger while cutting vegetable ? .....

iii. In case you get sore throat ? .....

iv. In case some one gets headache ? (This should not be taken so liberally) .....

v. In case of a sprain or backache ? .....

vi. In case a child catches cold and he finds it difficult to breathe comfortably at night ? .....

D. Visit by a Doctor :

When a doctor visits to see an ailing child, how does he examine him ?

i. By what instrument does he take his temperature ? .....

ii. The doctor carries something around his neck; it is called Stethoscope. What part of the body does he examine with it ? .....

iii. Why is the doctor holding the wrist of the ailing child and looking at his watch ? .....

iv. What precaution should the parents take to protect other children from falling ill, when a child catches cold or gets high fever ?

Assessment ; /15

Teacher's Signature :

STEP 3

FUN IN LETTERS AND WORDS :

1. i. Name your choice of a sweet with 'ff' in it. .....ff.....

   ii. Name your favourite fruit with 'pp' in it. .....pp.....

   iii. Name two vegetables ending with 'to': a. .....to b. .....to

   iv. Name a vehicle. Add a letter to it at the end and you get the name of another vehicle. .....

2. Change the word, by changing a letter within it:

   i. SOUP, to mean something you wash your face with .....

   ii ROBE, to mean something beautiful in a garden .....

   iii. SALE, to mean the bottom of a shoe .....

3. Give complete word in itself to .add to the letters filling the

blank dots, the new word to mean:

i. Some one who seeks alms B ..... AR

ii. A group of flowers ..... CH

iii. A good soft drink ..... ADE

4. What is wrong with the following ?

i. Stop hear for bus.
(Notice at a bus stand) .....

ii. I have given my shirt for dying.

.....

iii. Sail ! Sail ! Sail !
(Notice outside a shop) .....

iv. Weight for me. (Note left by a friend for another) .....

Assessment : /15

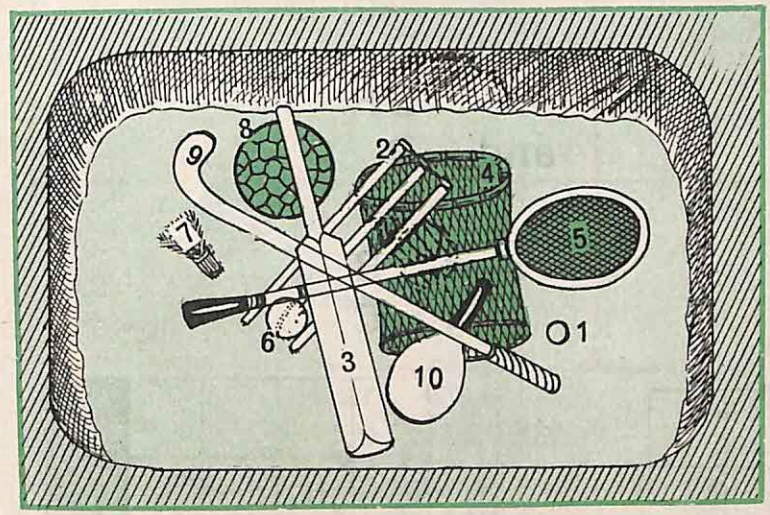
Teacher's Signature : .....

STEP 4

A.B.C. OF SPORTS

A. Jumbled up Sketches :

Here are sketches of some Sports Materials, all jumbled and mixed up. Identify the items and make pairs. Note down the numbers of pairing items together.



i. .....

ii. .....

iii. .....

iv. .....

v. .....

B. Give the name of one eminent Indian player in each one of the following fields :

i. Cricket .....

ii. Badminton .....

iii. Hockey .....

iv. Table Tennis .....

v. Races or Swimming .....

Assessment : /10

Teacher's Signature : .....

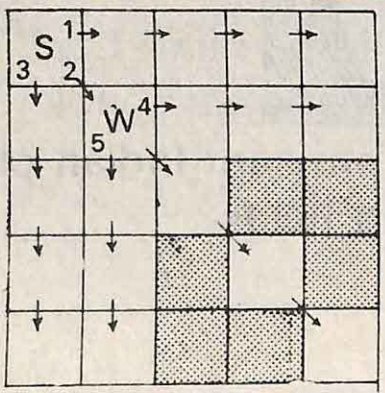
STEP 5

THREE-D ACTION PICTURE PUZZLE

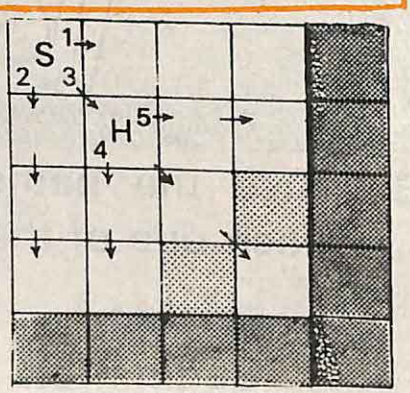
Here are 20 sketches showing some action. Find out suitable words (Verbs) to describe the action. Fill in the blanks in the Puzzle. It is a 3-D (Dimensional) Puzzle. You may have to move Across, Down and Diagonally. Arrows indicate the line of action.

PART A:	PART B:
1 and 2 S	1 and 2 D .....
3 SM	3 DR .....
4 and 5 W	4 and 5 R .....
PART C:	**PART D:**
1,2 and 3 S	1,2 and 3 B .....
4 and 5 H	4 and 5 C .....

PART A



PART C



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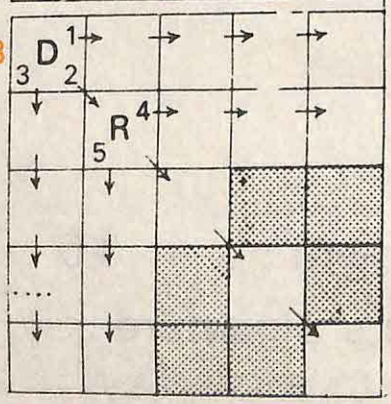
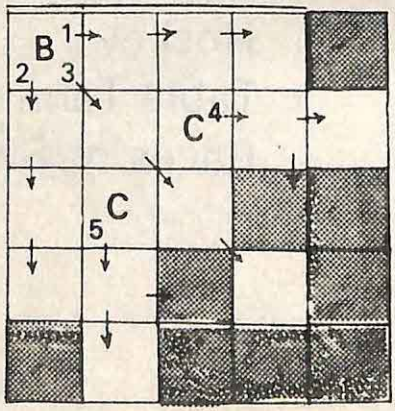


PART D



Part A

1.

2.

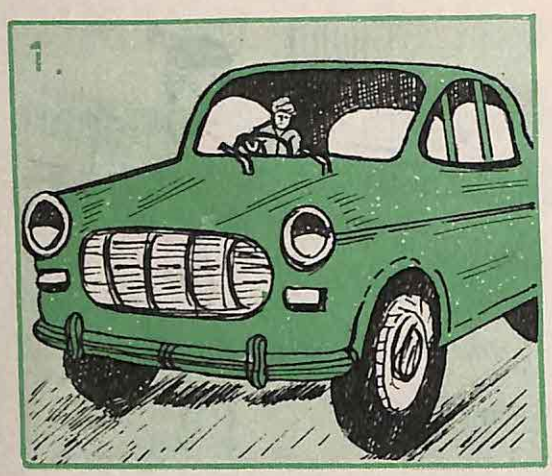
3.

4.

5.

Part B

1.



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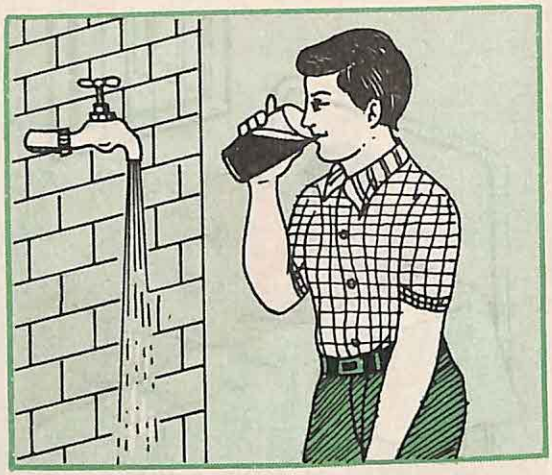

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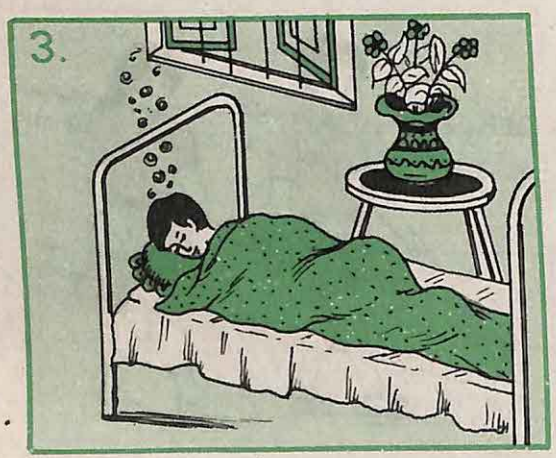

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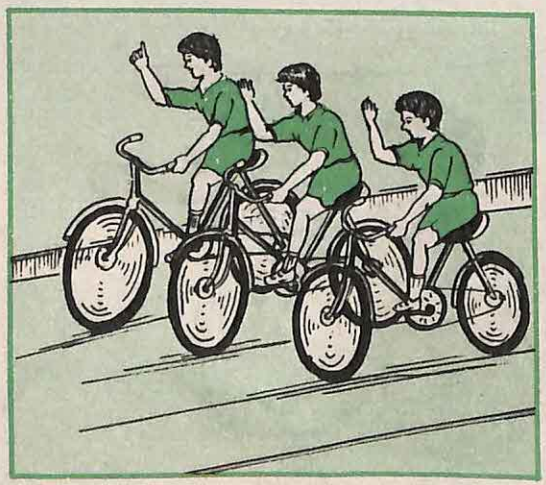
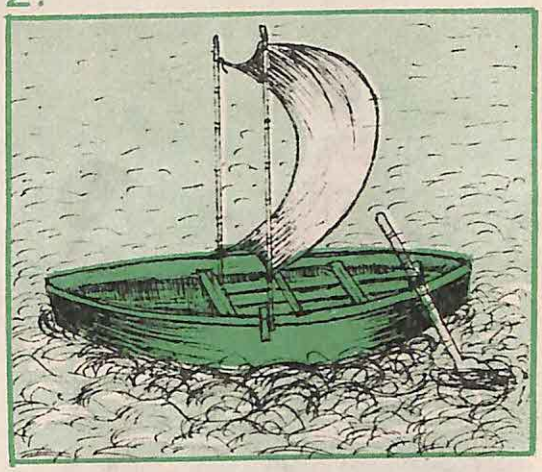


Part C

1.

2.



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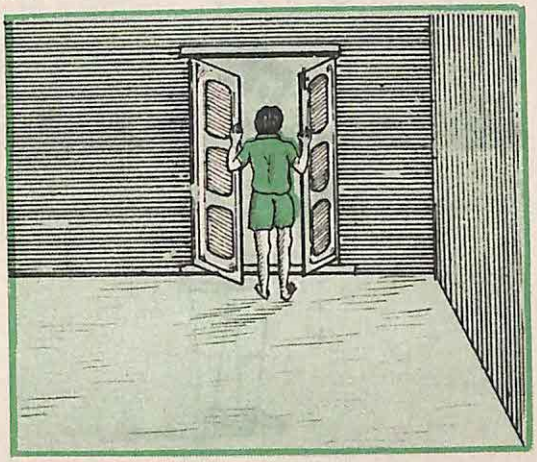

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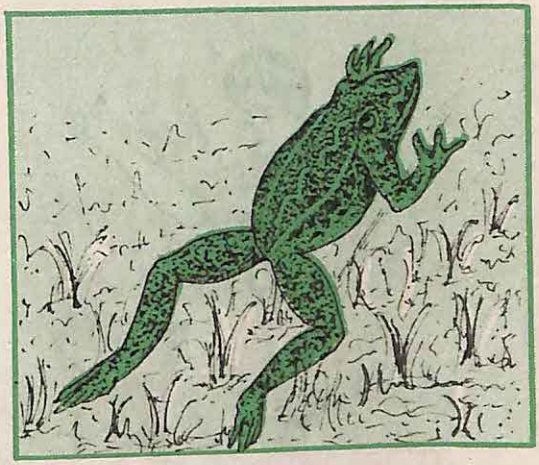

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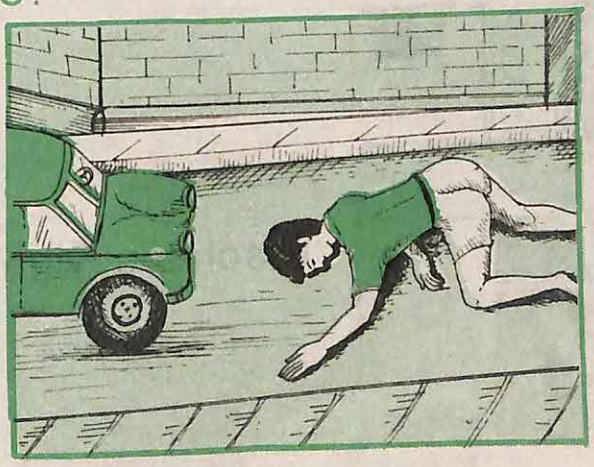
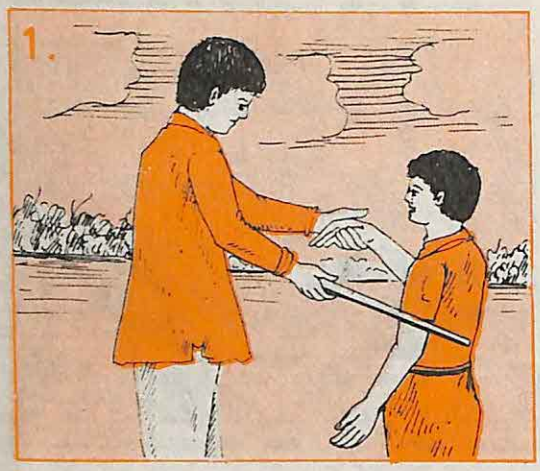


Part D

1.



2.

3.

4.

5.

Assesment ; /20

Teacher's Signature :

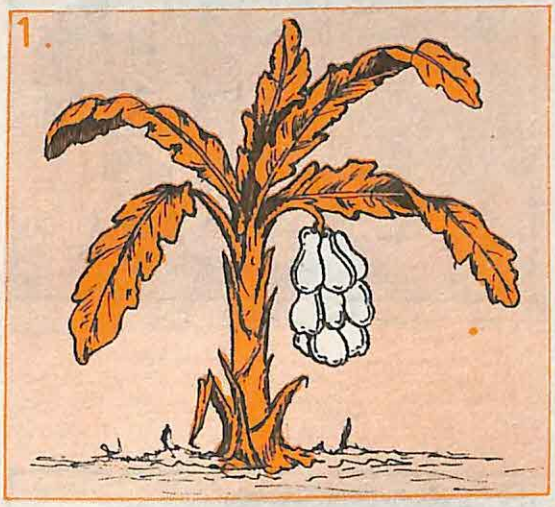
.....

STEP 6

WRONG FRUITS ON WRONG PLANTS

The Artist has been very naughty. He has put Wrong Fruits on following Plants. Can you find out the mistakes ?

1.



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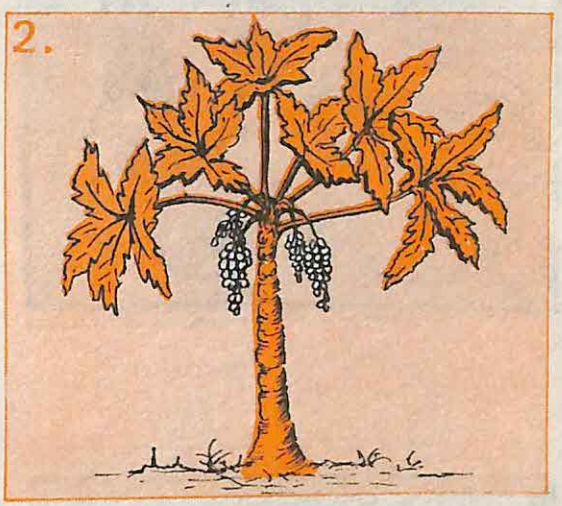

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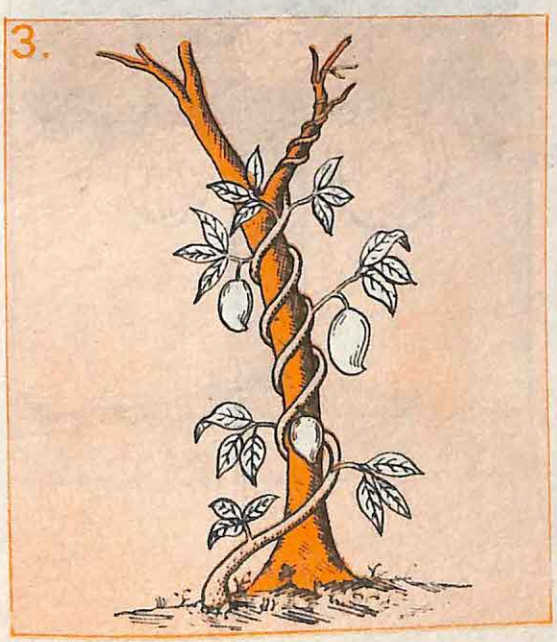

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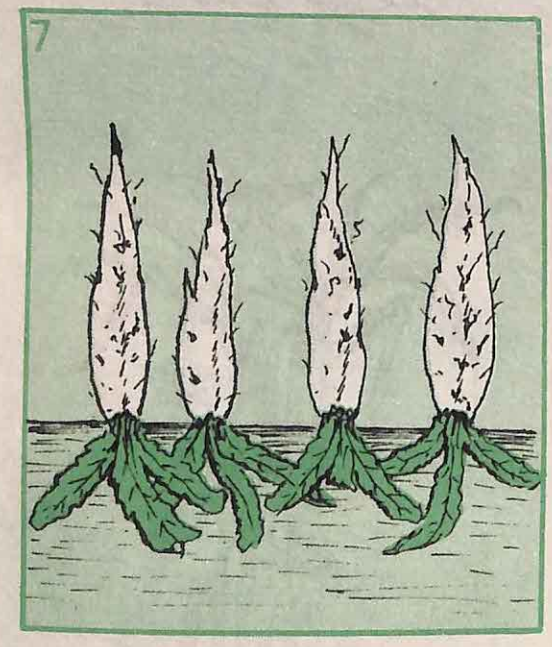
6.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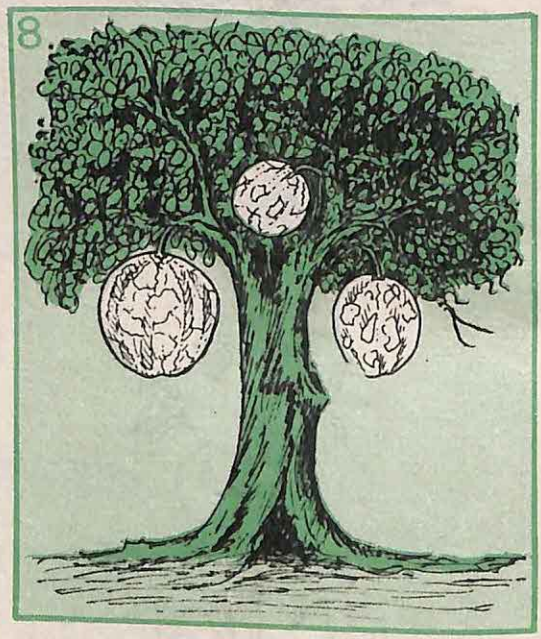
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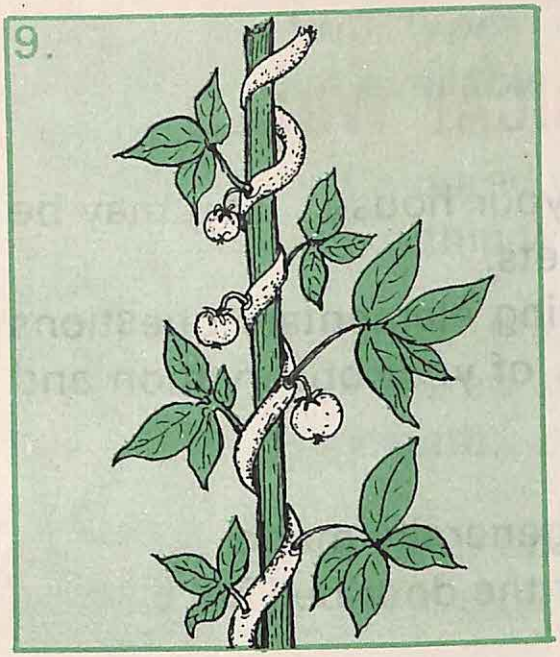

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Assessment : /10

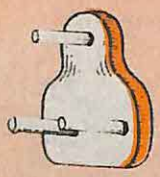
Teacher's Signature : .....

STEP 7

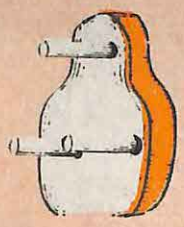
YOUR SMALL ELECTRICAL WORLD

You may have electricity in your house. You may be using so many electric gadgets.
Can you answer the following elementary questions on 'Electricity' on the basis of your observation and any practical experience.

1. What mark is generally made on the switch for the door bell ? .....

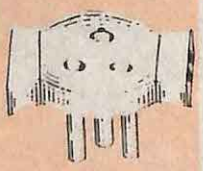


2. What for is the third pin provided in the 'three-pin' plug ? .....

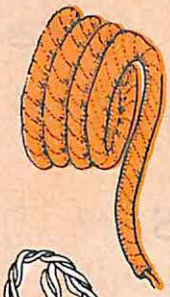


3. There are two sizes in plugs. Which one will you buy for a power point ? .....

4. How do you increase or decrease the speed of a fan ? .....



5. How can you use a point for two purposes at the same time, say for light and for fan ?
By the use of an A .....



6. Two types of electrical wires are available in the market.

   a. Coloured plastic coated flexible thin wire.

   b. Black thick, not so flexible, covered with cotton or silk sheath.

   i. Which one will you buy for your table lamp ? .....

   ii. Which one should you buy for your iron or toaster ? .....

7. Out of the following : plug, socket and holder,

   i. Which one is used for fixing a bulb ? .....

   ii. Which one is fixed on a wooden board on the wall ? .....

   iii. Which one is used for fixing in electrical accessory No ii (above) for getting an additional connection ? .....

Acc. no. - 15387

8. In a transistor set, there are normally two knobs :

   i. One is for adjusting the needle to catch a S .....

   ii. The other is for raising or lowering the V .....

9. What 'power' bulb should be used during night in the bed room or the bath room to save energy ? .....

10. Why is electrical wiring covered with such material, as rubber, plastic, cotton or silk sheath ?

    Suppose the wiring in your table lamp is broken at a place and you touch your wiring at that place when the lamp is 'on', what would you feel ? .....

11. What 'first' action should you take in case of electrical 'fire' in your house ? .....

Assessment : /15

Teacher's Signature : .....

STEP 8

A JOURNEY ACROSS THE COUNTRY

1. Which huge mountains run along the Northern parts of India ? .....

2. Which ocean touches the Southern parts of India ? .....

3. Name two rivers of North India. i. .....
   ii. .....

4. Name a river of South India. .....

5. Out of the following countries on the borders of India :
   Pakistan, Bangladesh, Nepal and Bhutan, i. .....
   Which two are situated in the North ? ii. .....

6. Name the Indian State:

   i. In extreme north of India .....

   ii. One in extreme south .....

   iii. One in extreme west .....

   iv. One in extreme east .....

   v. The State in which you reside .....

7. Out of the following Indian States: Haryana, Assam, Kerala and Andhra Pradesh,

i Which one is the granary of wheat ? .....

ii. Which one can be called the land of coconuts ? .....

iii. Which one produces tea ? .....

Assessment : /15

Teacher's Signature : .....

STEP 9

KNOW YOUR INDIA

1. Out of the following places.
Srinagar, Kanyakumari, Delhi,
Bombay, Pokharan and Jamshedpur,
   i. Which is the Capital of India ? .....
   ii. Which is the famous Hill Station ? .....
   iii. Which is the southern-most tip of India ? .....
   iv. Where is the first steel plant of India ? .....
   v. Which is the most important harbour of India ? .....
   vi. At which place did India explode her first nuclear device ? .....

2. What do you understand by the following terms ?
Bombay High, Green Revolution, White Revolution and Bhoodan (Land Gift).
   i. Which one is associated with oil exploration ? .....
   ii. Which one means progress in agriculture ? .....
   iii. Which one means increase in milk production ? .....

iv. Which term has been the call of Vinoba Bhave, the disciple of Gandhiji, for gift of land from those who have for those who have none ? .....

3. Out of the following crops : rice, wheat and maize, name

i. one which is a winter crop. .....

ii. one which is a summer/rainy season crop. .....

4. Name an important railway train:

i. From Delhi to Calcutta .....

ii. From Delhi to Madras .....

iii. From Bombay to Calcutta .....

5. What do you mean by the following Abbreviations :

i. P.M. (Used for Indira Gandhi) .....

ii. M.P. .....

Assessment : /15

Teacher's Signature : .....

STEP 10

OUR NEW INDIA

Our country became independent in 1947. We have made great progress during the last thirty-five years At your Age you should know the following facts about your country.

1. Who is your President ? .....
2. Name your Prime Minister. .....
3. Who is honoured as the Father of the Nation ? .....
4. Name the first Prime Minister of India. .....
5. Who gave the slogan 'DELHI CHALO' during the second world war ? .....
6. Which two dates are celebrated as national holidays ?
   i. Independence Day .....
   ii. Republic Day .....
7. Who gave us the slogan 'Gharibi Hatao' and 20-point programme for removal of poverty ? .....

8. How are villages administered in New India ? .....

9. Name the latest satellite launched by India. .....

10. Name an important Indian Oil Refinery. .....

11. Name an atomic power station. .....

12. Name the dockyards where ships are manufactured for the Indian Navy. .....

13. Who was the first President of India ? .....

14. Who was called the 'Little Atom' ? .....

15. Identify and name the following :

a. First President .....

b. First Prime Minister .....

c. Second Prime Minister .....

d. Prime Minister who was assassinated .....

e. Present Prime Minister .....

f. Leader of the INA movement .....

Assessment : /15

Teacher's Signature :

1

2

3

4

5

6

ANSWERS—LADDER 2

Step No. 1. Art of House-Keeping

Answers will differ from student to student for questions 1 to 10.

11. i. Rs 4 ii. Rs 20.00 iii. Rs 9/-
iv. Rs 2.25 v. Rs 4/-

Step No. 2. Life—A great Gift of God; Health a Greater Gift

A. i. Heart ii. Lungs iii. Skull
B. i. Mosquito ii. Fly
C. i. Burnol ii. Borolin iii. Gargling with salt water iv. Aspro v. Iodex vi. Vicks
D. i. Thermometer ii. Chest iii. Feeling the Pulse
vi. Isolation

Step No. 3. Fun in Letters and Words

1. i. Toffee ii. Apple iii a. Tomato b. Potato
iv. Car/Cart
2. i. Soap ii. Rose iii. Sole
3. i. Beggar ii. Bunch iii. Lemonade
4. i. Here ii. Dyeing iii. Sale iv. Wait

Step No. 4. A.B.C. of Sports

i. Cricket Bat and Wickets 3,2
ii. Table Tennis—Bat and Ball 1,10
iii. Basket Ball and Basket 4,8
iv. Hockey Stick and Ball 6,9
v. Badminton Racket and Shuttlecock 5,7
B. Any Names : may be i. Kapil Dev
ii. Prakash Padukone iii. Balbir Singh
iv. Indu Puri v. Valasamma

Step No. 5. Three-D Action Pictures Puzzle

A. 1. Sleep 2. Sweep 3. Smell
4. Walk 5. Wash
B. 1. Drive 2. Drink 3. Dream
4. Read 5. Ride

C. 1. Swim 2. Sail 3. Shut
4. Hop 5. Hit

D. 1. Beat 2. Bite 3. Burn
4. Cut 5. Cry

Step No. 6. Wrong Fruits on Wrong Plants

1. Papaya on Banana 2. Grapes on Papaya
3. Mangoes on Bean Creeper 4. Bananas on Sugar Cane
5. Maize on Pea Creeper 6. Carrots on Grape Creeper
7. Radish growing above ground
8. Pumpkins on a Mango Tree 9. Tomato on a Bean Creeper 10. Beans on a Rose Bush

Step No. 7. Your Small Electrical World

1. Sign of a Bell 2. For Earthing 3. Large One
4. By the Regulator 5. Adapter
6. i. thin ii. thick 7. i. Holder ii. Socket iii. Plug 8. i. Station ii. Volume
9. Zero watt 10. Shock 11. Switch off the Mains

Step No. 8. A Journey Across the Country

1. Himalayas 2. Indian Ocean 3. i. Ganga ii. Yamuna 4. Godavari 5. i. Nepal ii. Bhutan
6. i. Jammu and Kashmir ii. Kerala iii. Gujarat iv. Assam v. Give Your Own State
7. i. Haryana ii. Kerala iii. Assam

Step No. 9. Know Your India

1. i. Delhi ii. Srinagar iii. Kanyakumari iv. Jamshedpur v. Bombay vi. Pokharan
2. i. Bombay High ii. Green Revolution iii. White Revolution iv. Bhoodan
3. i. Wheat ii. Rice
4. Consult the railway time table.
5. i. Prime Minister ii. Member of Parliament

Step No. 10: Our New India

1. Giani Zail Singh
2. Rajiv Gandhi
3. Mahatma Gandhi
4. Jawaharlal Nehru
5. Netaji Subhash Bose
6. i. 15th August ii. 26th January
7. Indira Gandhi
8. Village Panchayats
9. Insat-IA
10. Koyali
11. Tarapur
12. Mazagaon
13. Dr. Rajendra Prasad
14. Lal Bahadur Shastri
15. (3) Dr. Rajendra Prasad
    (5) Jawaharlal Nehru
    (4) Lal Bahadur Shastri
    (2) Smt. Indira Gandhi
    (6) Rajiv Gandhi
    (1) Netaji Subhash Bose

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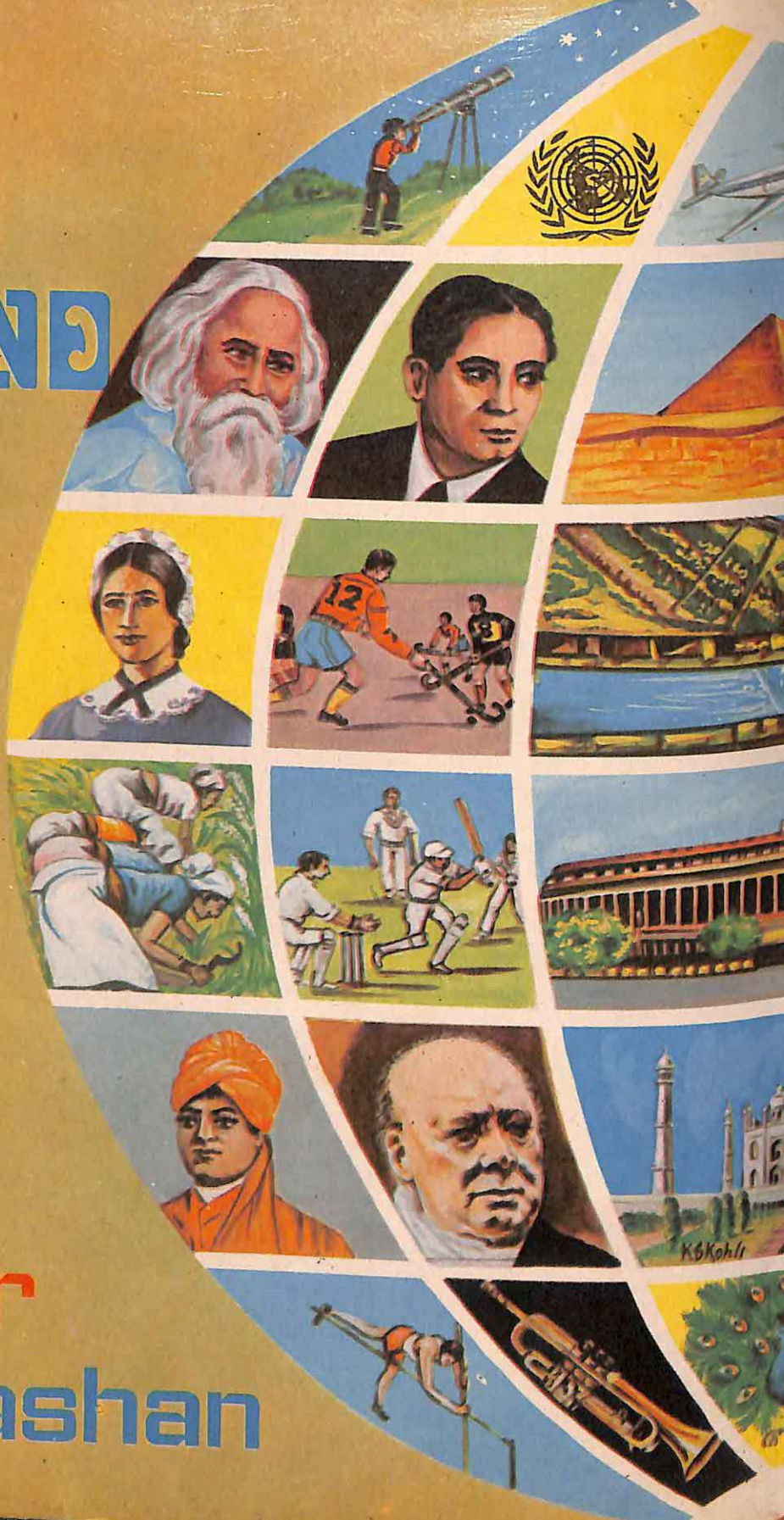
THE WORLD AROUND US



Ambar Parkashan